

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A tuner comprising:
an RF (radio frequency) processing unit;
an IF (intermediate frequency) demodulating unit ~~for demodulating~~configured to demodulate an intermediate frequency signal outputted from the RF processing unit; and
a trap filter disposed at a video baseband signal line of the IF demodulating unit to eliminate noise of a video baseband signal,
wherein the IF demodulating unit comprises,
a video detector ~~outputting~~configured to output a video signal, and
a sound trap filter ~~eliminating~~configured to eliminate a sound IF (intermediate frequency) signal from the video signal of the video detector ~~and disposed between the video detector and the trap filter, and~~
~~a first filter disposed at an input side of the video detector.~~
2. (Original) The tuner according to claim 1, wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.
3. (Currently Amended) The tuner according to ~~claim 1~~claim 2, wherein the baseband signal is a baseband signal of US channel 6 in an NTSC broadcasting system.
4. (Currently Amended) The tuner according to claim 1, wherein the IF demodulating unit further comprises[:]
~~an IF amplifier~~configured to amplify the IF signal,[[;]] and
~~wherein the first a first filter outputting~~is configured to output a signal outputted from the IF amplifier to the video detector.
5. (Currently Amended) The tuner according to claim 1, wherein the IF demodulating unit further comprises:
a video equalizer ~~adjusting~~configured to adjust the outputted video signal from the sound trap filter; and
a video buffer amplifier disposed between the video equalizer and the trap filter.

6. (Previously Presented) The tuner according to claim 1, wherein the trap filter is disposed at an output port of the intermediate frequency demodulating unit or an output port of the sound trap filter.

7. (Currently Amended) A demodulating unit of a tuner, the demodulating unit comprising:

a first filter;

a sound signal processing line diverging from the first filter to process a sound signal;

a video signal processing line diverging from the first filter to process a video signal;

a sound trap filter eliminating configured to eliminate a sound signal from an output video signal of the first filter and disposed at the video signal processing line; and

a trap filter disposed at an output side of a sound trap filter to eliminate a beat component;

an IF amplifier disposed at an input side of the first filter; and

a video detector disposed between the first filter and the sound trap filter.

8. (Previously Presented) The demodulating unit according to claim 7, wherein the trap filter eliminates a FM (frequency modulation) radio signal.

9. (Currently Amended) The demodulating unit according to ~~claim 7~~claim 8, wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.

10. (Currently Amended) The demodulating unit according to ~~claim 7~~claim 9, wherein the trap filter eliminates a frequency signal of an upper adjacent channel of a selected channel.

11. (Previously Presented) The demodulating unit according to claim 7, further comprising:

a video equalizer disposed at an output port of the trap filter; and

a video buffer amplifier disposed at an output port of the video equalizer.

12. (Canceled).

13. (Original) The demodulating unit according to claim 7, wherein the sound

processing line includes a sound detector and a sound signal passing filter.

14. (Previously Presented) The demodulating unit according to claim 7, wherein the first filter is an SAW (surface acoustic wave) filter.

15. (Currently Amended) A demodulating unit of a tuner, the demodulating unit comprising:

a sound signal processing line;

a video signal processing line; and

a trap filter disposed at the video signal process line to eliminate a beat component generated due to a FM (frequency modulation) radio frequency; and

a sound trap filter disposed at an input ~~port-side~~ of the trap filter; and

a video detector disposed at an input side of the sound trap filter,

wherein the trap filter eliminates a frequency signal of 4.85-5.25MHz.

16. (Original) The demodulating unit according to claim 15, wherein the FM radio frequency is in a range of 88.1-88.5MHz.

17. (Canceled).

18. (Canceled).

19. (Previously Presented) The demodulating unit according to claim 7, wherein the sound trap filter is a sound IF (intermediate frequency) trap filter.

20. (Previously Presented) The demodulating unit according to claim 15, wherein the sound trap filter is a sound IF (intermediate frequency) trap filter.